

**OSHA-Required Health And Safety Information!**

This Material Safety Data Sheet (MSDS) was requested moments ago from Hercules Automated Fax Information System. Please forward it immediately to the person in charge of MSDS's, or retain it at the machine until claimed.

**Section 1****MATERIAL SAFETY DATA SHEET # 105**  
*Hercules furnace cement – clean 'n friendly  
formulation*

Date Prepared: 2/7/2001

Last Reviewed: 12/9/2003

Meets OSHA 29 CFR 1910.1200

**MATERIAL  
SAFETY  
INFORMATION  
SERVICE**

Hercules Chemical Company Inc.  
111 South Street  
Passaic NJ 07055  
Phone (800) 221-9330  
Fax (800) 333-3456

**Section 2 - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity;  
Common Name(s), CAS Numbers)

OSHA PEL

ACGIH TLV

Other Limits

Upper Bound  
Limit if SARA  
Reportable

Sodium silicate (1344-09-8)

N/E

N/E

N/A

- -

**HMIS Hazard Rating:** Health: 2 Flammability: 0 Reactivity: 0 Personal Protection: A**Section 3 - Physical/Chemical Characteristics**

Boiling Point (°F):

Specific Gravity  
(H<sub>2</sub>O = 1):Vapor Density  
(Air = 1):Vapor Pressur  
(mm Hg):

N/A

1.95 +/- .03

N/A

N/A

Melting Point (° F)

Evaporation Rate:  
(Butyl Acetate = 1)

Solubility in Water:

N/A

N/A

Slightly soluble in water and  
water miscible

Appearance And Color: Tan colored paste

Odor: No odor

**Section 4 - Fire And Explosion Hazard Data**

Flash Point:

Flammable Limits

LEL:

UEL:

N/A

N/A

Extinguishing Media: Non-flammable

Special Firefighting Procedures:

None

Unusual Fire And Explosion Hazards:

None

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**Section 5 - Reactivity Data****Stability:** Stable                      **Conditions To Avoid:** None**Incompatability**                      Product is alkaline. Avoid contact with acidic materials  
**(Materials To Avoid):****Hazardous Decomposition:** None**Hazardous Polymerization:** Will Not Occur**Section 6 - Health Hazard Data****Routes of Entry:**    **Inhalation**    N/A                      **Skin**    YES/Primary                      **Ingestion**    Yes/Secondary**Health Hazards:**

Prolonged contact with skin can cause irritation. Contact with eyes or open abraded skin can cause severe irritation with superficial destruction of skin tissue.

**Carcinogenicity**    **NTP**    NO                      **IARC**    NO                      **OSHA Regulated**    NO**Signs And Symptoms of Exposure:**

Will cause skin irritation on continued contact

**Medical Conditions Generally Aggravated By Exposure:**

None known

**Emergency And First Aid Procedures:**

Ingestion: Do not induce vomiting, dilute with water or milk, get medical attention. Skin: Wash thoroughly with water. Eyes: Flush the material out immediately with plenty of water for at least 15 minutes holding eyelids apart to ensure complete irrigation of all eye and lid tissue. Get medical attention.

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**Section 7 - Precautions For Safe Handling And Use:****Steps To Be Taken In Case Material Is Released Or Spilled:**

This material is in the form of a paste. Use absorbent material and sweep up.

**Waste Disposal Method:**

Non-Hazardous landfill.

**Precautions To Be Taken In Handling And Storing:**

None

**Other Precautions:**

None

**Section 8 - Control Measures:****Respiratory Protection:**

None required

Ventilation: Local Exhaust Adequate  
Mechanical N/A

Special N/A

Other: N/A

Gloves: Rubber gloves

Eye Protection: Goggles

Other Protective  
Clothing: Standard work clothing.

Work/Hygienic Practices: Wash thoroughly after handling.



**F**ACTS  
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For Hercules Material Safety Data Sheets by fax anytime, day or night, just call 1-800-942-INFO (1-800-942-4636) from any Touch-Tone phone. Have your fax number ready. Checking the product label for the correct MSDS # will save time.